



Pemrograman Web Sisi Server – Pertemuan 4 PI

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Topik

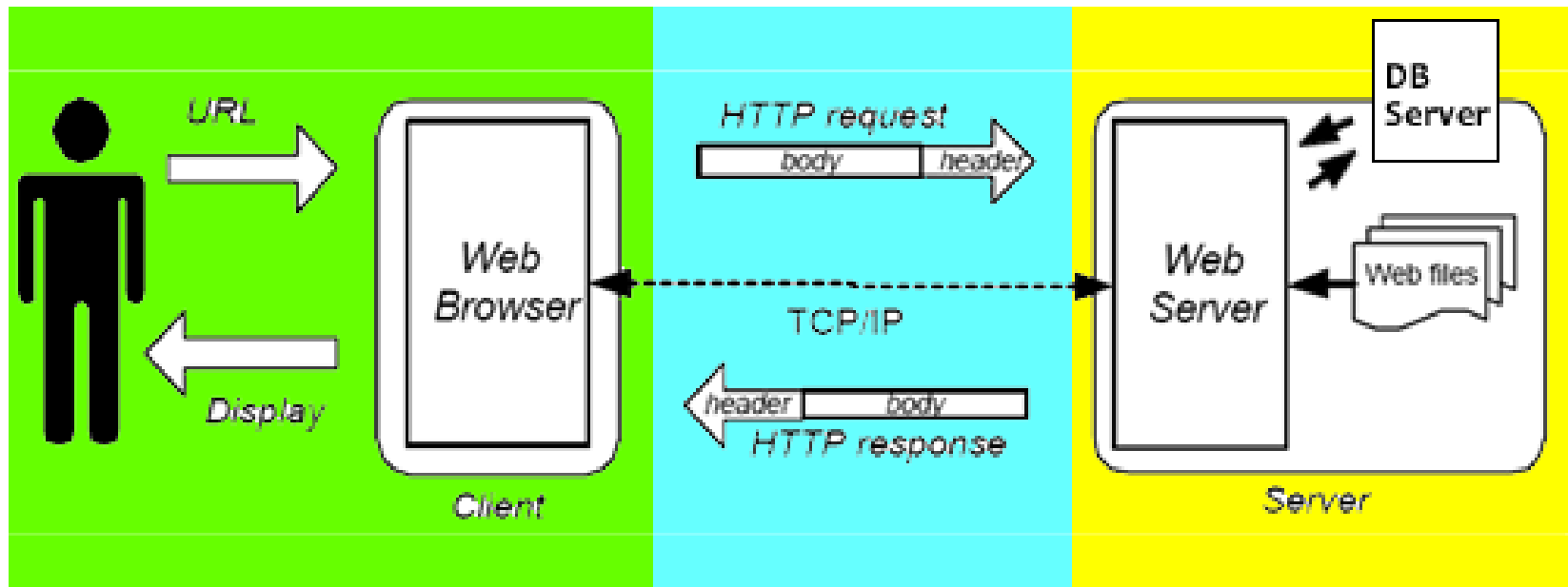
- Pendahuluan
- Web Server
- Dasar-dasar PHP
- Dasar-dasar ASP

Pendahuluan

- Pemrograman web sisi server :
 - Dieksekusi di server
 - Script tidak terlihat oleh pengguna
 - Biasanya melibatkan database
- Kelebihan Utama:
 - Dapat merespon permintaan user secara fleksibel
 - Dapat mengelola hak akses user
 - Dapat melakukan query terhadap data yang tersimpan

Pendahuluan (2)

- Arsitektur pemrograman web:



Pendahuluan (3)

- Bahasa pemrograman yang biasa digunakan :
 - ASP/ASP.NET (*.asp/*.aspx)
 - ColdFusion Markup Language (*.cfm)
 - ANSI C Server Scripts TrustLeap G-WAN ANSI C Scripts (*.c)
 - Java via JavaServer Pages (*.jsp)
 - Javascript using Server Side Javascript (*.ssjs)
 - PHP (*.php)
 - Perl (*.pl)
 - SMX (*.smx)
 - Python (*.py)
 - Ruby (*.rb)
 - Lasso (*.lasso)
 - WebDNA (*.dna,*.tpl)

Web Server

- Menerima permintaan HTTP atau HTTPS dari klien dan mengirimkan kembali hasilnya dalam bentuk halaman-halaman web yang umumnya berbentuk dokumen HTML
- Jenis web server yang biasa digunakan :
 - Apache (multi platform)
 - Microsoft Internet Information Service (IIS)
 - Sun Java Web Server

Web Server (2)

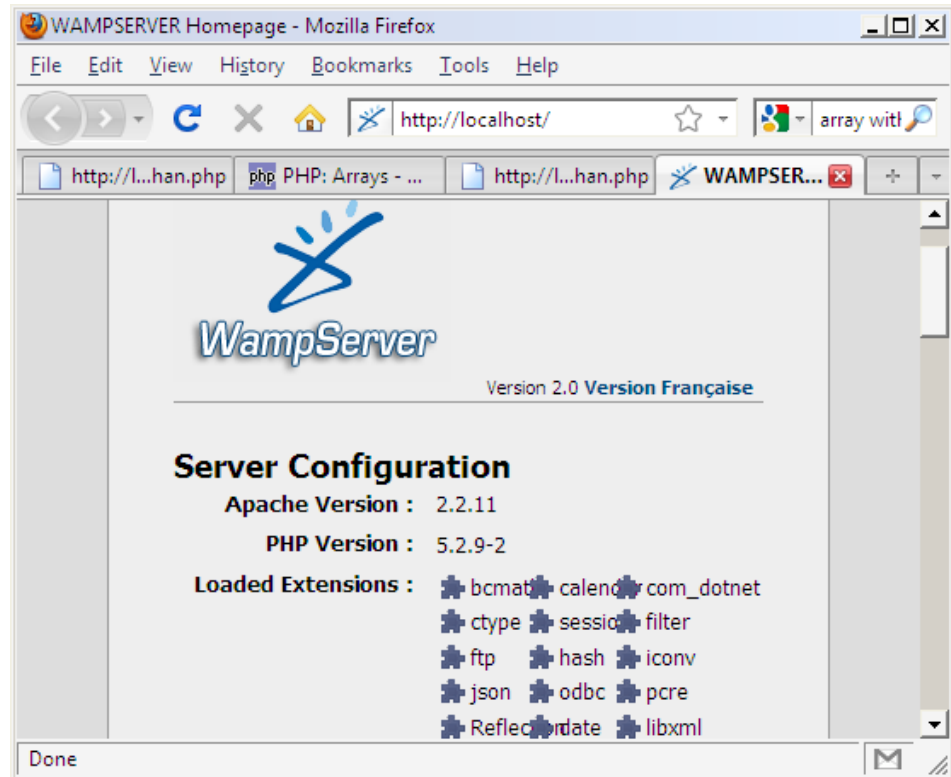
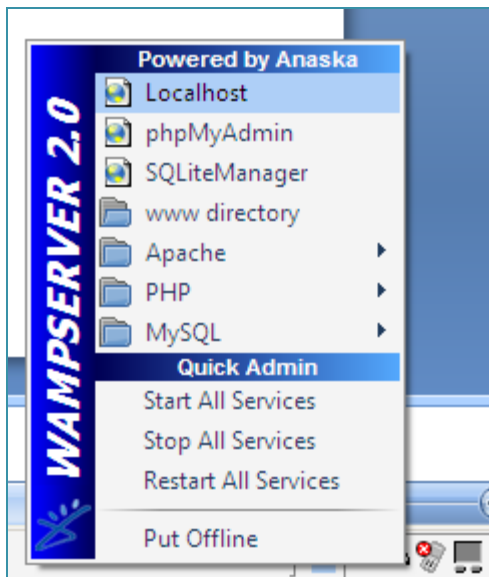
- Paket web server :
 - WAMP
 - LAMP
 - XAMPP
 - DII
- Secara umum isi paket web server:
 - Web server
 - Database server
 - Bahasa pemrograman server

Dasar-dasar Pemrograman

- Menggunakan PHP
- Menggunakan ASP

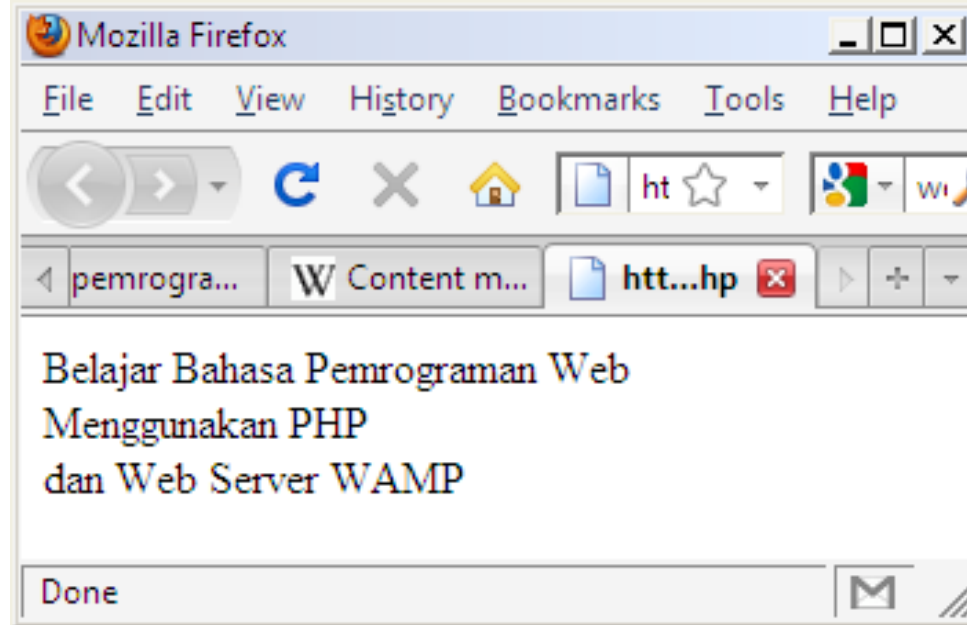
Memulai Pemrograman PHP

- Install web server (misal WAMP)
- Jalankan web server
- Pastikan web server siap digunakan, buka web browser dan masukkan http://localhost



PHP : contoh sederhana

```
<?
echo "Belajar Bahasa Pemrograman Web";
echo '<br>Menggunakan PHP';
print ("<br>dan Web Server WAMP");
?>
```

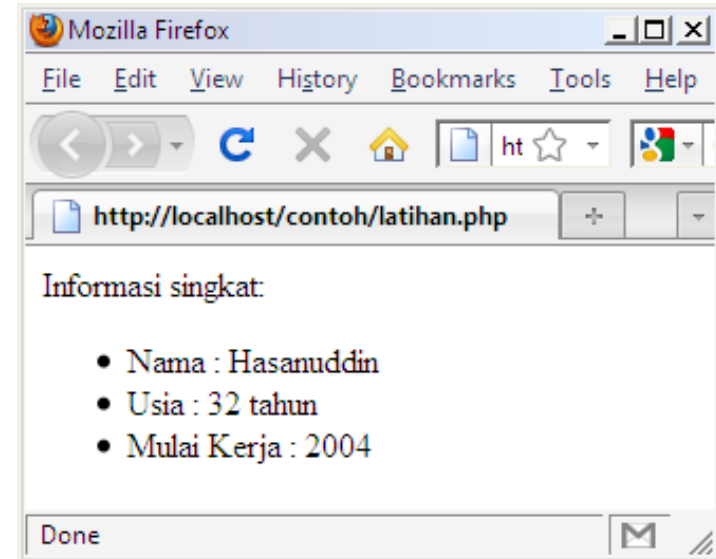


PHP : Data dan Variabel

```
<?
$nama = "Hasanuddin";
$usia = 32;
$masa_kerja = 6;
$tahun_sekarang = date("Y");

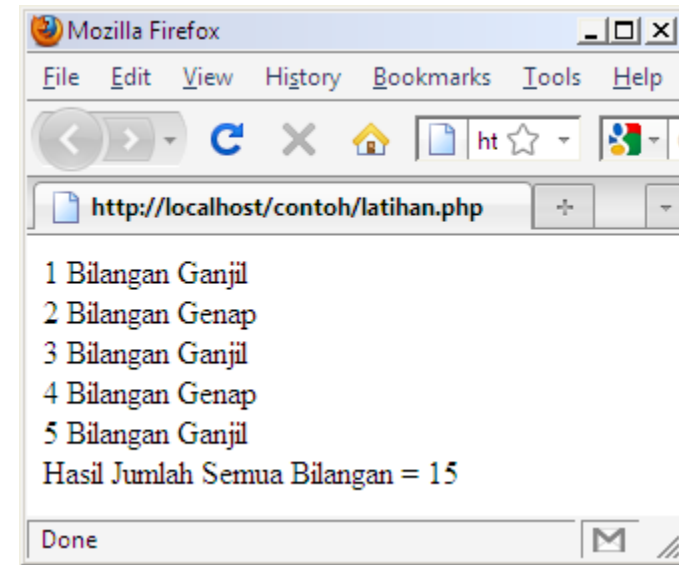
echo "Informasi singkat:<br>";
echo "<ul><li>Nama :
$nama</li>";
echo "<li>Usia : ".$usia."
tahun</li>";

$mulai_kerja = $tahun_sekarang
- $masa_kerja;
echo "<li>Mulai Kerja :
$mulai_kerja</li></ul>";
?>
```



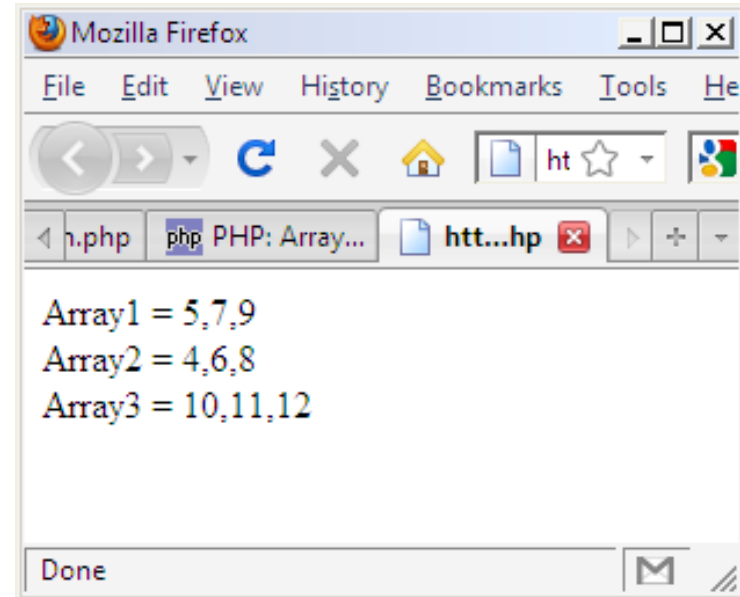
PHP : Control Statement

```
<?
$jumlah = 0;
for($i=1; $i<=5; $i++)
{
if($i %2 == 0)
    echo $i." Bilangan
Genap<br>";
    else
        echo $i." Bilangan
Ganjil<br>";
$jumlah += $i;
}
echo "Hasil Jumlah Semua Bilangan
= ".$jumlah;
?>
```



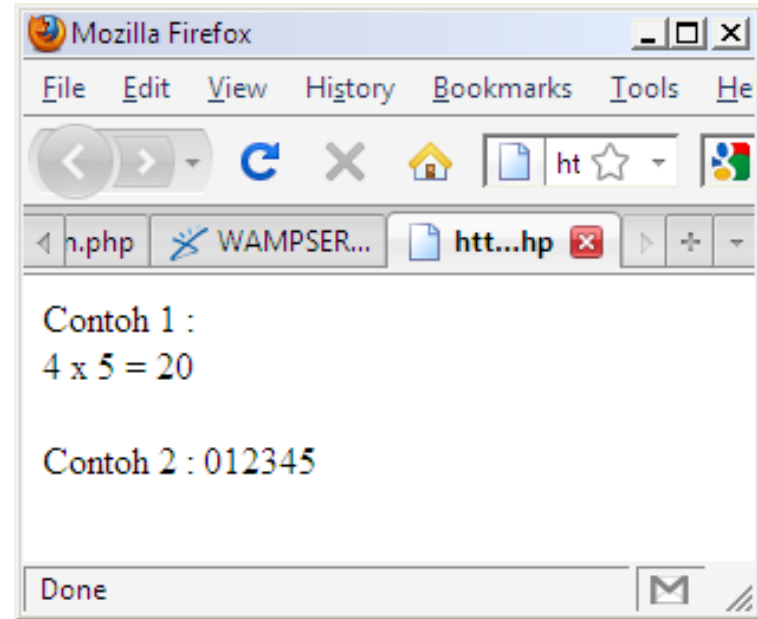
PHP : Array

```
<?
$array1[0] = 5;
$array1[1] = 7;
$array1[2] = 9;
$array2 = array(4,6,8);
for($i=0; $i<3; $i++)
$array3[$i] = $i + 10;
echo "Array1 =
$array1[0], $array1[1], $array1[2]
<br>";
echo "Array2 =
$array2[0], $array2[1], $array2[2]
<br>";
echo "Array3 =
$array3[0], $array3[1], $array3[2]
<br>";
?>
```



PHP : Class dan Fungsi

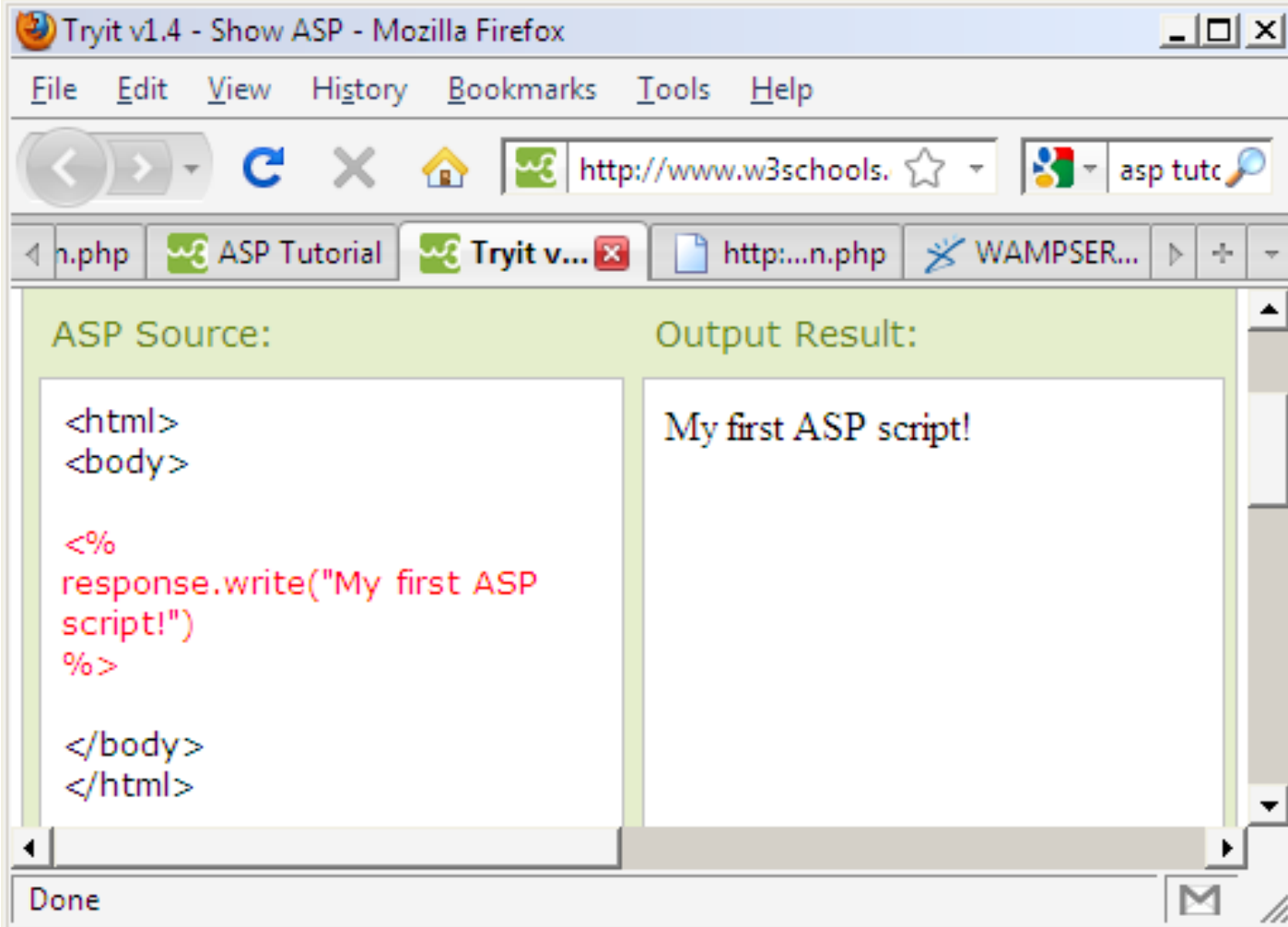
```
<?
function perkalian($a, $b) {
    $c=$a*$b;
    echo "$a x $b = $c </br>";
}
class A {
    function A() { }
    function ech() {
        $a = func_get_args();
        for( $t=0;$t<count($a); $t++ )
        {
            echo $a[$t];
        }
    }
}
echo "Contoh 1 : <br>";
perkalian(4,5);
echo "<br>Contoh 2 : ";
$test = new A();
$test->ech(0,1,2,3,4,5);
?>
```



Memulai Pemrograman ASP

- Install IIS (misal pada Win XP/2000)
 - Buka Control Panel
 - Klik ganda “Add or Remove Programs”
 - Klik “Add/Remove Windows Components
 - Klik “Internet Information Services (IIS)”
 - Klik “Details”
 - Pilih check box “World Wide Web Service”, dan klik “OK”
 - Pada “Windows Component selection”, Klik “Next” untuk install IIS

ASP: Contoh Sederhana



The screenshot shows a Mozilla Firefox browser window titled "Tryit v1.4 - Show ASP - Mozilla Firefox". The address bar displays "http://www.w3schools.asp tutc". The browser tabs include "n.php", "ASP Tutorial", "Tryit v...", "http:...n.php", and "WAMPSER...". The main content area is split into two panels: "ASP Source:" and "Output Result:". The "ASP Source:" panel contains the following code:

```
<html>
<body>

<%
response.write("My first ASP
script!")
%>

</body>
</html>
```

The "Output Result:" panel displays the output of the script: "My first ASP script!". The status bar at the bottom shows "Done".

ASP : Data dan Variabel

Tryit v1.4 - Show ASP - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://www.w3schools.com/asp/showasp.asp?filename=d asp tutorial

ASP Procedures Tryit v1.4 - Show ASP

ASP Source:

```
<html>
<head>
<%
sub vbproc(num1,num2)
response.write(num1*num2)
end sub
%>
</head>

<body>
<p>You can call a procedure like this:</p>
<p>Result: <%call vbproc(3,4)%></p>
<p>Or, like this:</p>
<p>Result: <%vbproc 3,4%></p>
</body>
</html>
```

Output Result:

You can call a procedure like this:

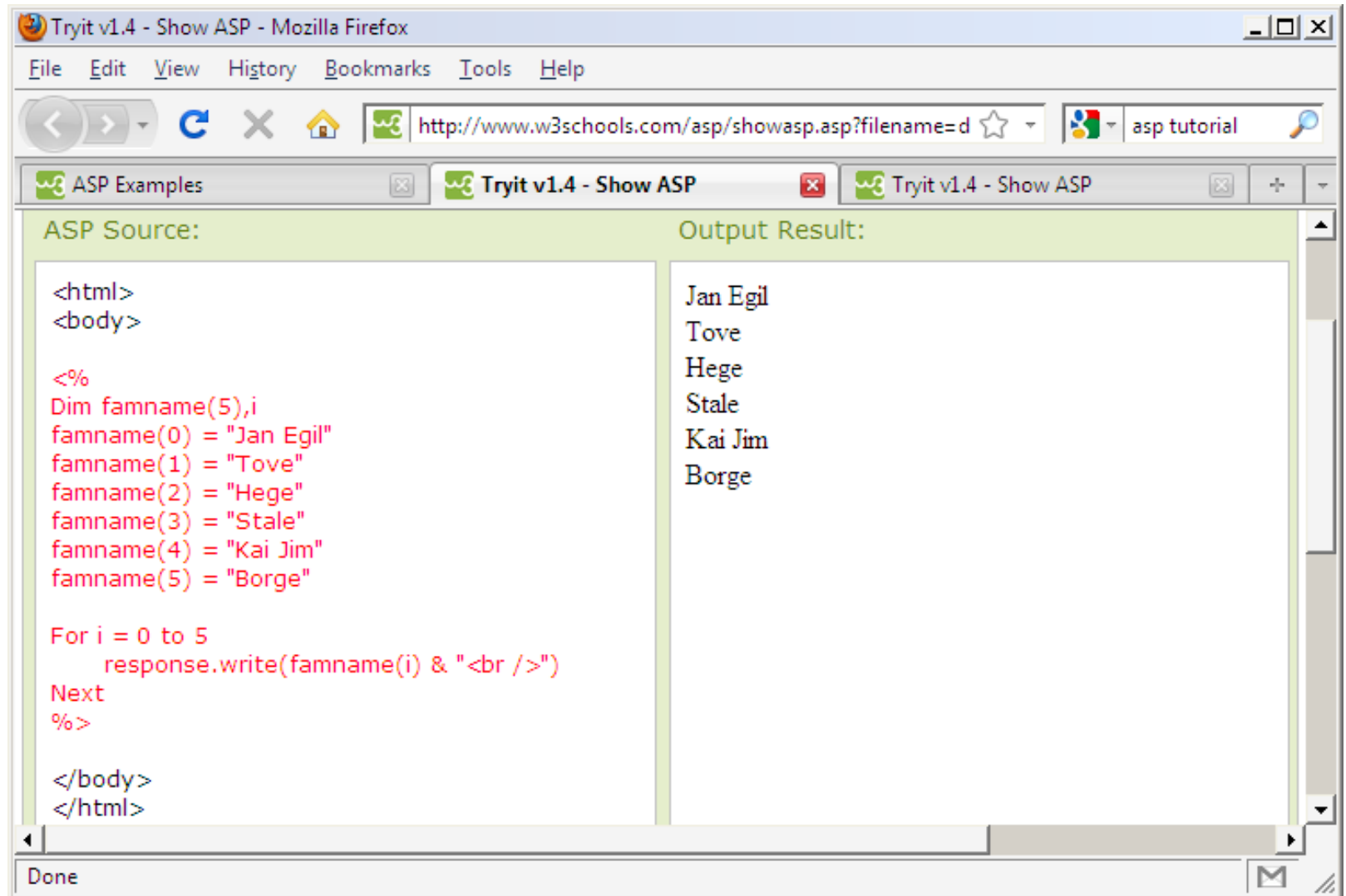
Result: 12

Or, like this:

Result: 12

Done

ASP : Array



The screenshot shows a Mozilla Firefox browser window with the title "Tryit v1.4 - Show ASP". The address bar contains the URL "http://www.w3schools.com/asp/showasp.asp?filename=d". The browser has three tabs open: "ASP Examples", "Tryit v1.4 - Show ASP", and another "Tryit v1.4 - Show ASP". The main content area is split into two columns: "ASP Source:" and "Output Result:".

ASP Source:

```
<html>
<body>

<%
Dim famname(5),i
famname(0) = "Jan Egil"
famname(1) = "Tove"
famname(2) = "Hege"
famname(3) = "Stale"
famname(4) = "Kai Jim"
famname(5) = "Borge"

For i = 0 to 5
    response.write(famname(i) & "<br />")
Next
%>

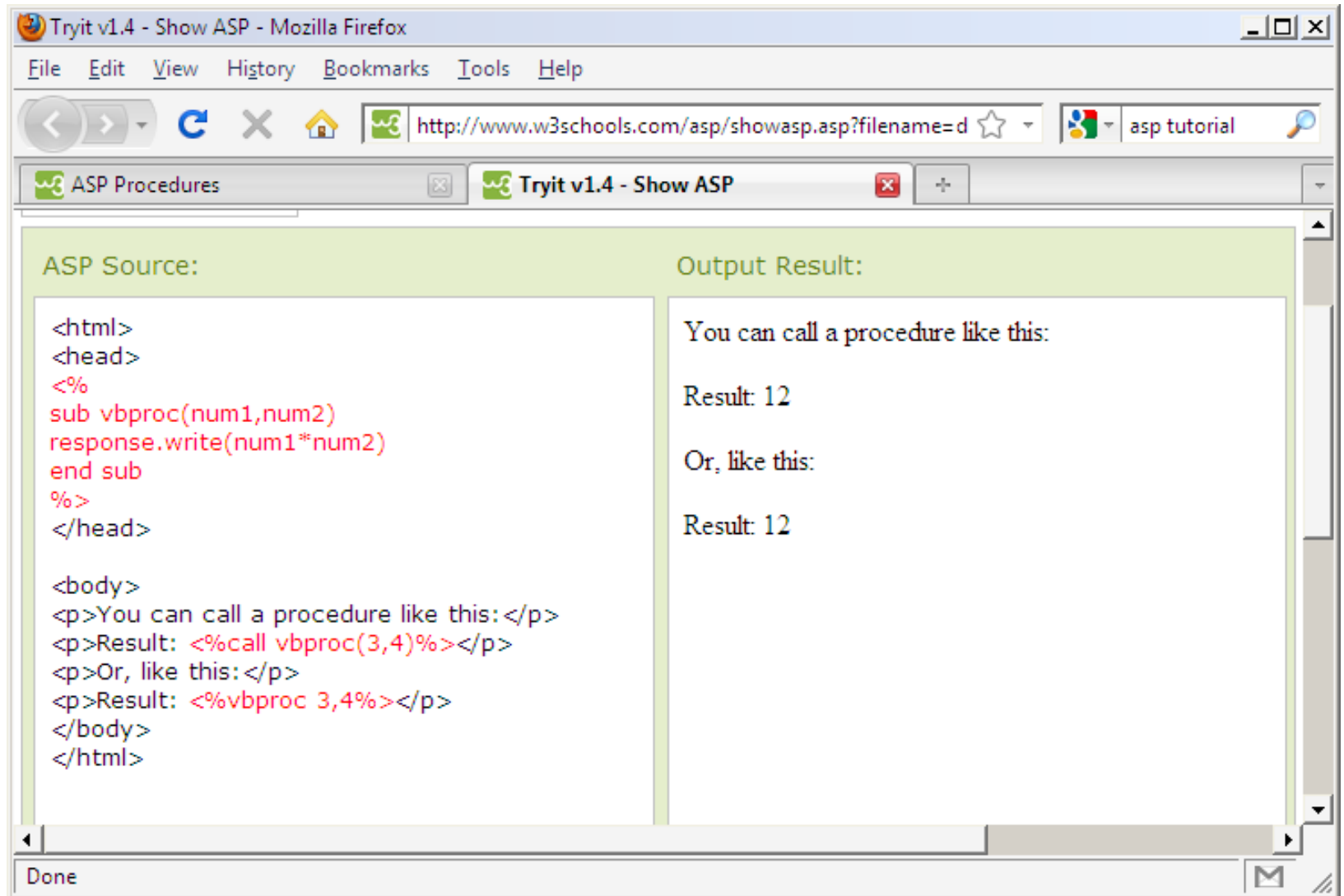
</body>
</html>
```

Output Result:

```
Jan Egil
Tove
Hege
Stale
Kai Jim
Borge
```

The status bar at the bottom of the browser window shows "Done".

ASP : Procedure



The screenshot shows a Mozilla Firefox browser window titled "Tryit v1.4 - Show ASP - Mozilla Firefox". The address bar contains the URL "http://www.w3schools.com/asp/showasp.asp?filename=d". The browser has two tabs: "ASP Procedures" and "Tryit v1.4 - Show ASP". The main content area is split into two columns: "ASP Source:" and "Output Result:".

ASP Source:

```
<html>
<head>
<%
sub vbproc(num1,num2)
response.write(num1*num2)
end sub
%>
</head>

<body>
<p>You can call a procedure like this:</p>
<p>Result: <%call vbproc(3,4)%></p>
<p>Or, like this:</p>
<p>Result: <%vbproc 3,4%></p>
</body>
</html>
```

Output Result:

You can call a procedure like this:

Result: 12

Or, like this:

Result: 12

The status bar at the bottom of the browser window shows "Done".

Referensi

- www.w3schools.com
- www.php.net/manual/en/index.php